

Quiz #02 – OOP – BSDSF23

14 March 2024

25-30 minutes

Name: _____ Roll No: _____

Honor Code: By signing right, I am declaring under oath that
I will solve the quiz by myself solely and will not
take any help from neighboring fellows.

Signature

Considering a class Polynomial as discussed in the class sessions. Assuming the variable is fixed as x , let the class have only one data member for coefficients, a list of numbers with length 1 more than degree of the Polynomial object. Write definition/code for its following members:

To get/set the coefficients of polynomial through `[]` index.

To verify a polynomial is bigger than other polynomial w.r.t., to their degrees.

To return derivative of a polynomial

To return the sum of two polynomials

To return the product of two polynomials